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DATE:

March 6, 2002

BY:

Julie A. Eslick



INFORMATION DISCLOSURE STATEMENT PURSUANT TO
37 C.F.R. §§1.97-1.98

PATENT APPLICATION

Applicant(s): Jun Shen, et al.

Serial No.: 10/051,447

Group Art Unit: 2832

TITLE:

MICRO-MAGNETIC LATCHING SWITCH WITH
RELAXED PERMANENT ALIGNMENT
REQUIREMENTS

Docket No.: 12218.1600

U.S. Filing Date: January 18, 2002

Examiner:

To be assigned

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

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In accordance with the duty of disclosure under 37 C.F.R. §1.56 and pursuant to 37 C.F.R. §§1.97-1.98, the reference or references listed and identified on the attached PTO-1449 based form are being submitted herewith for consideration by the Examiner. A copy of the listed reference is included herewith.

The reference or references are being cited only in the interest of candor and without any admission that they constitute statutory prior art or contain matter which anticipates the invention or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art.

This Information Disclosure Statement (IDS) is being filed under 37 C.F.R. §1.97(b)(3) as each item of information contained in this disclosure is being filed prior to the issuance of a first Office Action on the merits, and therefore no fee or statement is required. Some of the references cited in this disclosure were also disclosed in a communication from a foreign patent

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office in a counterpart foreign application. If Applicant has overlooked any fees, the Commissioner is hereby authorized to debit Deposit Account No. 19-2814 for the same. A **duplicate copy of this Information Disclosure Statement is enclosed for this purpose.**

If there are any questions concerning this IDS, the Examiner is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the United States Patent and Trademark Office is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 19-2814.

Date: 3/5/02

Respectfully submitted,

By 

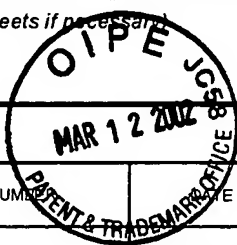
Brett A. Carlson
Reg. No. 39,928

Enclosures: PTO-1449
Patent copies

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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



ATTY DOCKET NO.

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,818,316	10/06/1998	Shen, et al.			
	5,847,631	12/08/1998	Taylor, et al.			
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	Ching H. Ahn and Mark G. Allen, "A Fully Integrated Micromagnetic Actuator With a Multilevel Meander Magnetic Actuator With a Multilevel Meander Magnetic Core", June 1992, IEEE Solid-State Sensor and Actuator Workshop, pp. 14-17
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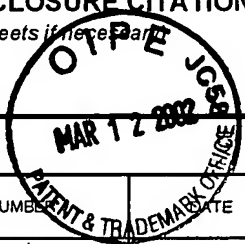
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	99 27548 A	06/03/1999	WO				
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		Jack W. Judy and Richard S. Muller "Magnetically Actuated, Addressable Microstructures", September 1997, Journal of Microelectromechanical Systems, Vol. 6, No. 3, September 1997, pp. 249-255
		John A. Wright and Yu-Chong Tai, "Micro-Miniature Electromagnetic Switches Fabricated Using MEMS Technology", 46th Annual International Relay Conference: NARM '98, April 1998

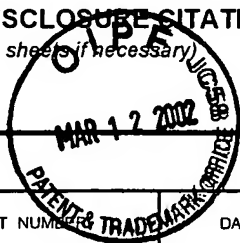
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INFORMATION DISCLOSURE SITUATION

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						YES	NO

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		John A. Wright, Yu-Chong Tai and Gerald Lilienthal, "A Magnetostatic MEMS Switch for DC Brushless Motor Commutation", Solid State Source and Actuator Workshop 1998, June 1998
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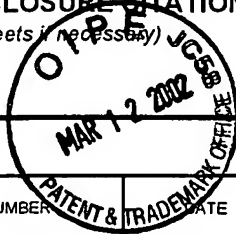
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		E. Fullin, J. Gobet, HAC Tilmans, and J. Bergqvist, "A New Basic Technology for Magnetic Micro-Actuators", pp 143-147
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